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OM nucleic - nucleic search, using sw model

Run on: November 25, 2003, 11:29:08 ; Search time 41 Seconds
(without alignments)
484.445 Million cell updates/sec

Title: US-10-018-878-9
Perfect score: 45
Sequence: 1 agcaacatttaaacagcgctg.....acattgataatcagggttc 45

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/prodata/2/ina/5A_COMB.seq: *
2: /cgn2_6/prodata/2/ina/5B_COMB.seq: *
3: /cgn2_6/prodata/2/ina/6A_COMB.seq: *
4: /cgn2_6/prodata/2/ina/6B_COMB.seq: *
5: /cgn2_6/prodata/2/ina/PTUS_COMB.seq: *
6: /cgn2_6/prodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	23.6	52.4	2453	4	US-08-961-527-316
2	21.6	48.0	723	4	US-09-328-352-3411
3	21.2	47.1	580073	4	US-08-545-528D-1
4	21	46.7	190	3	US-09-060-410-8
5	21	46.7	190	4	US-09-723-458-8
6	21	46.7	614	4	US-09-221-017B-1040
7	21	46.7	786	4	US-09-328-352-599
8	21	46.7	1521	4	US-09-328-352-1397
9	21	46.7	2643	4	US-09-486-072-6
10	21	46.7	46819	4	US-09-453-702B-72
11	20.8	46.2	1664976	4	US-08-916-421B-1
12	20.8	46.2	1830121	4	US-09-557-884-1
13	20.8	46.2	1830121	4	US-09-643-990A-1
14	20.6	45.8	882	4	US-09-107-532A-1988
15	20.6	45.8	1696	3	US-09-028-366-1
16	20.4	45.3	1664976	4	US-08-916-421B-1
17	20.2	44.9	1647	6	5405943-3
18	20	44.4	634	3	US-08-998-416-152
19	20	44.4	2091	4	US-09-134-001C-1459
20	20	44.4	3852	4	US-08-961-527-251
21	19.8	44.0	2307	3	US-08-942-008-1
22	19.8	44.0	2853	4	US-09-328-352-542
23	19.8	44.0	7411	4	US-09-634-238-27
24	19.8	44.0	148567	4	US-09-801-876B-3
25	19.6	43.6	595	3	US-09-276-531-63
26	19.6	43.6	846	4	US-08-936-165A-65
27	19.6	43.6	1299	4	US-09-222-938A-38

c	28	19.6	43.6	2235	1	US-08-313-181-3	Sequence 3, Appli
	29	19.6	43.6	19718	4	US-08-961-527-99	Sequence 99, Appli
	30	19.4	43.1	325	5	PCT-US92-09955-13	Sequence 13, Appli
c	31	19.4	43.1	388	3	US-08-604-981-12	Sequence 12, Appli
c	32	19.4	43.1	388	3	US-09-363-639-12	Sequence 12, Appli
	33	19.4	43.1	425	4	US-09-641-638-326	Sequence 326, Appli
	34	19.4	43.1	783	1	US-08-446-922-5	Sequence 5, Appli
	35	19.4	43.1	783	2	US-08-249-189-1	Sequence 1, Appli
	36	19.4	43.1	783	2	US-08-484-624A-1	Sequence 1, Appli
	37	19.4	43.1	783	2	US-08-477-733B-1	Sequence 1, Appli
	38	19.4	43.1	783	3	US-09-088-913A-1	Sequence 1, Appli
	39	19.4	43.1	783	3	US-08-769-819-1	Sequence 1, Appli
	40	19.4	43.1	783	3	US-08-770-974-1	Sequence 1, Appli
	41	19.4	43.1	783	4	US-08-770-981-1	Sequence 1, Appli
	42	19.4	43.1	783	4	US-09-399-106-1	Sequence 5, Appli
	43	19.4	43.1	783	5	PCT-US93-10034-5	Sequence 1, Appli
	44	19.4	43.1	818	1	US-08-431-055-1	Sequence 1, Appli
	45	19.4	43.1	818	3	US-08-858-197-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-08-961-527-316

; Sequence 316, Application US/08961527

; Patent No. 6420135

; GENERAL INFORMATION:

; APPLICANT: Charles Kunsch

; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences

; NUMBER OF SEQUENCES: 391

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

; COMPUTER: HP Vectra 486/33

; OPERATING SYSTEM: MSDOS version 6.2

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/961,527

; FILING DATE:

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Brookes, A. Anders

; REGISTRATION NUMBER: 36,373

; REFERENCE/DOCKET NUMBER: PB340P1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (301) 309-8504

; TELEFAX: (301) 309-8512

; INFORMATION FOR SEQ ID NO: 316:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2453 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; US-08-961-527-316

Query Match 52.4%; Score 23.6; DB 4; Length 2453;

Best Local Similarity 76.3%; Pred. No. 5.4;

Matches 29; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 3 CAACAATTAAACAGCGTGAATTAATGATAATCA 40

DB 1335 CAACAATTAAACAGCGTGAATTAATGATAATCA 1372

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RESULT 2
US-09-328-352-3411/c
; Sequence 3411, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GT099-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 3411
; LENGTH: 723
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-3411

Query Match      48.0%; Score 21.6; DB 4; Length 723;
Best Local Similarity 68.2%; Pred. No. 25;
Matches 30; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 2 GCAACATTAAACAGCGTCAATTACATATTGATTAATCAGGTTTC 45
Db 554 GCTAAATTTAAAGCTTAAAGCTGATGAGGATATATCCGGTTC 511

RESULT 3
US-08-545-528D-1
; Sequence 1, Application US/08545528D
; Patent No. 6537773
; GENERAL INFORMATION:
; APPLICANT: Fraser et al.
; TITLE OF INVENTION: Nucleotide Sequence of the Mycoplasma Genitalium Genome, Fragment
; FILE REFERENCE: PB193P1
; CURRENT APPLICATION NUMBER: US/08/545,528D
; CURRENT FILING DATE: 1995-10-19
; PRIOR APPLICATION NUMBER: US 08/488,018
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: US 08/473,545
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 580073
; TYPE: DNA
; ORGANISM: Mycoplasma genitalium
US-08-545-528D-1

Query Match      47.1%; Score 21.2; DB 4; Length 580073;
Best Local Similarity 69.0%; Pred. No. 63;
Matches 29; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 4 AAACATTAAACAGCGTCAATTACATATTGATTAATCAGGTTTC 45
Db 67183 AAACATAAAATAACGCTGCTTTTATTATCGATCTACGCTTC 67224

RESULT 4
US-09-060-410-8
; Sequence 8, Application US/09060410
; Patent No. 6165461
; GENERAL INFORMATION:
; APPLICANT: Cobb, Melanie
; APPLICANT: Hutchinson, Michele
; APPLICANT: Chen, Zhu
; APPLICANT: Berman, Kevin
; TITLE OF INVENTION: TAO PROTEIN KINASES AND METHODS OF USE
; TITLE OF INVENTION: THEREFOR
; NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/723,458
; FILING DATE: 27-No. 6586242-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/060,410
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/060,410
; FILING DATE: 14-APR-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 860098.421
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 190 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-060-410-8

Query Match      46.7%; Score 21; DB 3; Length 190;
Best Local Similarity 66.7%; Pred. No. 37;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 1 AGCAACATTAAACAGCGTCAATTACATATTGATTAATCAGGTTTC 45
Db 8 AGAAAACTTAAAGCCATGGAATGCAATTAATAAACAGTTTC 52

RESULT 5
US-09-723-458-8
; Sequence 8, Application US/09723458
; Patent No. 6586242
; GENERAL INFORMATION:
; APPLICANT: Cobb, Melanie
; APPLICANT: Hutchinson, Michele
; APPLICANT: Chen, Zhu
; APPLICANT: Berman, Kevin
; TITLE OF INVENTION: TAO PROTEIN KINASES AND METHODS OF USE
; TITLE OF INVENTION: THEREFOR
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/723,458
; FILING DATE: 27-No. 6586242-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/060,410
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
```



```
RESULT 9
US-09-486-072-6/c
; Sequence 6, Application US/09486072
; Patent No. 6489155
; GENERAL INFORMATION:
; APPLICANT: Masanori TAKAYAMA, et al.
; FILE REFERENCE: 11202/1
; CURRENT APPLICATION NUMBER: US/09/486,072
; CURRENT FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: PCT/JP98/02310
; PRIOR FILING DATE: 1998-05-26
; PRIOR APPLICATION NUMBER: JP252624/97
; PRIOR FILING DATE: 1997-09-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; TYPE: DNA
; ORGANISM: Bacteria
US-09-486-072-6

Query Match          46.7%; Score 21; DB 4; Length 2643;
Best Local Similarity 73.0%; Pred. No. 47;
Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 1 ACCAACATTAAACGCGTGCATTAATACATATTGATAA 37
    ||||| ||||| ||||| ||||| ||||| |||||
DB 877 ACCAACCATCAATCAGAGTGCCTAACGTAAGTATAA 841

RESULT 10
US-09-453-702B-72/c
; Sequence 72, Application US/09453702B
; Patent No. 6365723
; GENERAL INFORMATION:
; APPLICANT: Blattner, Frederick R.
; Burland, Nicole R.
; Perna, Nicole F.
; Plunkett, Guy
; Welch, Rod
; TITLE OF INVENTION: No. 6365723el Sequences of E. coli O157
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch. 1.44Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 8.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/453,702B
; FILING DATE: 03-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/110,955
; FILING DATE: 04-Dec-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 960296.95017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 251-5000
; TELEFAX: (608) 251-9166
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 46819
; TYPE: nucleic acid
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; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 72:
US-09-453-702B-72

Query Match          46.7%; Score 21; DB 4; Length 46819;
Best Local Similarity 73.0%; Pred. No. 61;
Matches 27; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 6 ACATTAAACAGCGTGCATTAATACATATTGATAATCAGG 42
    ||||| ||||| ||||| ||||| ||||| |||||
DB 42743 ACAATAAACTGCCGCAATCAGATACAGAGACTCAGG 42707

RESULT 11
US-08-916-421B-1/c
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
; APPLICANT: Bult et al.
; TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus
; TITLE OF INVENTION: jannaschii
; FILE REFERENCE: PB275
; CURRENT APPLICATION NUMBER: US/08/916,421B
; CURRENT FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/024,428
; PRIOR FILING DATE: 1996-08-22
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1664976
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (28222)..(28222)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (28257)..(28258)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84773)..(84773)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84808)..(84808)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84812)..(84812)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98120)..(98120)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98159)..(98159)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98239)..(98239)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98266)..(98266)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (98343)..(98343)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (103998)..(103998)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (148948)..(148948)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
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; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (871619) ..(871619)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1084830) ..(1084830)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1096846) ..(1096846)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1119881) ..(1119881)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1130881) ..(1130881)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1310988) ..(1310988)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1313224) ..(1313224)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1349473) ..(1349473)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1349491) ..(1349491)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1470091) ..(1470091)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1569020) ..(1569020)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1602912) ..(1602912)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1603734) ..(1603734)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1637998) ..(1637998)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1664854) ..(1664855)
; OTHER INFORMATION: n equals a, t, c, or g
; US-08-916-421B-1

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Qy	5	AACATTAAACAGCGTGCAATTACATATTGATAATCAGGTT	44
Db	1077378	AAAATTAAATATCATACAGTCAAAGATTGATGATTATGTT	1077339

US-09-557-884-1
; Sequence 1, Application US/09557884
; Patent No. 6506581
; GENERAL INFORMATION:

NUMBER OF SEQUENCES: 1

CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: MD
COUNTRY: USA

Query Match	45.8%	Score 20.6;	DB 3;	Length 1696;
Best Local Similarity	67.4%;	Pred. No. 63;		
Matches 25;	Conservative	0;	Mismatches 14;	Indels 0;
Gaps	0;			

THIS PAGE BLANK (USPTO)

; APPLICANT: Krops, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SAME, AND METHODS OF USE
; FILE REFERENCE: SRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 3804
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-3804

Query Match 52.0%; Score 23.4; DB 10; Length 2000;
Best Local Similarity 73.2%; Pred. No. 1.7e+02;
Matches 30; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 3 CAACATTAACACGGTGCATTAATCATATTTGATTAATCAGGT 43
Db 468 CAAGTATTATCATCGTACGATTAATCATATTTGATTAATGTT 428

RESULT 3

US-09-910-943-129
; Sequence 129, Application US/09910943
; Patent No. US20020081610A1
; GENERAL INFORMATION:
; APPLICANT: Hemmati-Briavanlou, Ali
; APPLICANT: Altman, Curtis
; TITLE OF INVENTION: Assays and Materials for Embryonic Gene Expression
; FILE REFERENCE: 7529/1G148US1
; CURRENT APPLICATION NUMBER: US/09/910,943
; CURRENT FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 742
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 129
; LENGTH: 771
; TYPE: DNA
; ORGANISM: Xenopus laevis
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(771)
; OTHER INFORMATION: n may be a or g or c or t/u
US-09-910-943-129

Query Match 51.1%; Score 23; DB 9; Length 771;
Best Local Similarity 74.4%; Pred. No. 1.8e+02;
Matches 29; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 3 CAACATTAACACGGTGCATTAATCATATTTGATTAATCAG 41
Db 435 CATACATATACAGTGTACATATTTATTTGGTAAATAG 473

RESULT 4

US-10-020-141-5/c
; Sequence 5, Application US/10020141
; Publication No. US20030092013A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Jeanette
; APPLICANT: Ableson, Allen
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE
; FILE REFERENCE: MMI-002
; CURRENT APPLICATION NUMBER: US/10/020,141
; CURRENT FILING DATE: 2001-12-14

; PRIOR APPLICATION NUMBER: US 60/313,097
; PRIOR FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: US 60/327,485
; PRIOR FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 183337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-020-141-5

Query Match 51.1%; Score 23; DB 14; Length 183337;
Best Local Similarity 74.4%; Pred. No. 7.3e+02;
Matches 29; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 2 GCAACATTAAACAGCGTGCATTAATCATATTTGATTAATCA 40
Db 132374 GCCAACATTTACTGTCGCAATAGATATTCCTAATCA 132336

RESULT 5

US-10-032-585-6062/c
; Sequence 6062, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6062
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Candida albicans
US-10-032-585-6062

Query Match 50.2%; Score 22.6; DB 12; Length 447;
Best Local Similarity 68.9%; Pred. No. 2.2e+02;
Matches 31; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 1 AGCAACATTAAACAGCGTGCATTAATCATATTTGATTAATCAGGTTTC 45
Db 156 ACCAATGATTAAATCGTTGAAATCCAGTTTGATTAACCATATTC 112

RESULT 6

US-10-027-632-238109
; Sequence 238109, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358

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; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 238109
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-238109

Query Match          49.8%; Score 22.4; DB 12; Length 637;
Best Local Similarity 72.5%; Pred. No. 2.8e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 4 AAACATTAAACAGCGTGCATTTACATATTGATAATCAGGT 43
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 13 AAACATTACCAGCTCCCAATTATAAATTTATAATAAGAT 52

RESULT 7
US-10-027-632-238110
; Sequence 238110, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 238110
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-238110

Query Match          49.8%; Score 22.4; DB 12; Length 637;
Best Local Similarity 72.5%; Pred. No. 2.8e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 4 AAACATTAAACAGCGTGCATTTACATATTGATAATCAGGT 43
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 13 AAACATTACCAGCTCCCAATTATAAATTTATAATAAGAT 52

RESULT 8
US-10-027-632-238109
; Sequence 238109, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
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; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 238109
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-238109

Query Match          49.8%; Score 22.4; DB 13; Length 637;
Best Local Similarity 72.5%; Pred. No. 2.8e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 4 AAACATTAAACAGCGTGCATTTACATATTGATAATCAGGT 43
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 13 AAACATTACCAGCTCCCAATTATAAATTTATAATAAGAT 52

RESULT 9
US-10-027-632-238110
; Sequence 238110, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 238110
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-238110

Query Match          49.8%; Score 22.4; DB 13; Length 637;
Best Local Similarity 72.5%; Pred. No. 2.8e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 4 AAACATTAAACAGCGTGCATTTACATATTGATAATCAGGT 43
   ||||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 13 AAACATTACCAGCTCCCAATTATAAATTTATAATAAGAT 52

RESULT 10
US-10-027-632-148927
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; Sequence 148927, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 148927
; LENGTH: 814
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-148927

Query Match      49.8%; Score 22.4; DB 12; Length 814;
Best Local Similarity 81.2%; Pred. No. 3e+02;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      8 ATTAACAGCGTGCATTAATGATAATC 39
      |||||
Db      123 AATAAGAGCGTGCATTAATGATAATC 154

RESULT 11
US-10-027-632-148927
; Sequence 148927, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 148927
; LENGTH: 814
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-148927

Query Match      49.8%; Score 22.4; DB 13; Length 814;
Best Local Similarity 81.2%; Pred. No. 3e+02;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      8 ATTAACAGCGTGCATTAATGATAATC 39
      |||||
Db      123 AATAAGAGCGTGCATTAATGATAATC 154

RESULT 12
US-10-027-632-202630
; Sequence 202630, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 202630
; LENGTH: 1223
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-202630

Query Match      48.4%; Score 21.8; DB 12; Length 1223;
Best Local Similarity 70.7%; Pred. No. 5.5e+02;
Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY      4 AAACATTAAACAGCGTGCATTAATGATAATCAGGTT 44
      |||||
Db      838 ATAAATAAAATTCATGAATTTATTTATGATTCAGGTT 878

RESULT 13
US-10-027-632-202630
; Sequence 202630, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
```

```
; Sequence 148927, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 148927
; LENGTH: 814
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-148927

Query Match      49.8%; Score 22.4; DB 12; Length 814;
Best Local Similarity 81.2%; Pred. No. 3e+02;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      8 ATTAACAGCGTGCATTAATGATAATC 39
      |||||
Db      123 AATAAGAGCGTGCATTAATGATAATC 154

RESULT 11
US-10-027-632-148927
; Sequence 148927, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 148927
; LENGTH: 814
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-148927

Query Match      49.8%; Score 22.4; DB 13; Length 814;
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